Je réactive mes savoirs

26 **Faux.**

$f(x) = \dfrac{3x}{x^2+1}$ avec $\begin{cases} u(x) = 3x & \text{et} \quad u'(x) = 3 \\ v(x) = x^2+1 & \text{et} \quad v'(x) = 2x \end{cases}$.

Donc $f'(x) = \dfrac{u'(x) \times v(x) - v'(x) \times u(x)}{[v(x)]^2} = \dfrac{3(x^2+1) - 2x \times 3x}{(x^2+1)^2} = \dfrac{3x^2+3-6x^2}{(x^2+1)^2} = \dfrac{-3x^2+3}{(x^2+1)^2}$.